ABSTRACT OF THE DISCLOSURE

A method of optimizing the compression rate in Adaptive Differential Pulse Code Modulation (ADPCM) is disclosed. The modified pulse code modulation technique employs a prognostic code converter to generate variable length codes on top of the ADPCM coding, based on the probability of occurrence of data bits in a data sample. This variable-length coding is able to further reduce the compressed data size by increasing the compression rate of the conventional ADPCM coding.